RAY-N
MONITORED PHOTO EYE

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RAY-N photo-eyes are UL325 recognized sensors, using the same proven technology as the OPTOEYE. As with the OPTOEYE or other photo-eye systems, if the signal between transmitter and receiver is interrupted, the sensor sends a signal to the operator to stop and reverse the door. These sensors are long range (14 m, 45 ft), yet are NEMA 1 rated for price-sensitive applications. The versatility of the threaded design allows for flush mounting (for example, within the guide of a door) or mounting to a bracket for easy installation.

Article Name	Article No.	Description	Interface
RAY-NS 1000	10018690-2	Sensor Set, with 1 m [3 ft] connection cable	Dynamic 2-Wire
RAY-NS 1100	10020377-2	Sensor Set, with 1 m [3 ft] connection cable and added clip accessory	Dynamic 2-Wire
RAY-NS 1001	10020729-2	Sensor Set, with 9 m [30 ft] connection cable	Dynamic 2-Wire

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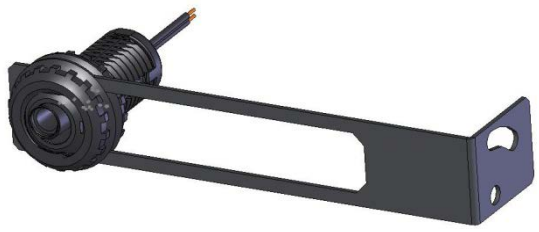
General data

Protection class	NEMA 1
Operation temperature	-12 °C to 74 °C [-10 °F to +165 °F]
Material of the housing	ABS-PC blend
Diameter of the housing	25 mm [1 in]
Length of the housing	50 mm [2 in]
Signaling cable	PVC Insulation, 2 x 22 AWG
Length of signaling cable	Max. length from sensors to signal processing unit: ~200 m [650 ft]
Length of the cable	0.9 m [3 ft], 9.1 m [30 ft], and customized lengths available
Voltage	+6 VDC to +40 VDC
Output	2-wire modulated signal
Range	13 m [45 ft]

Mounting

The RAY-N sensors work similar to the OPTOEYE system, they include a washer and nut or clip-mount parts and they allow for easy alignment with a ± 2^{o} tilt of the eyes. Due to their versatile mechanical design, they can be flush-mounted, bracket-mounted, or mounted within a guide of any door or gate.

Bracket mounting



Flush mounting

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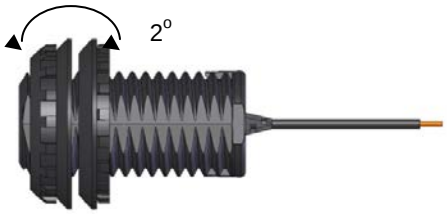
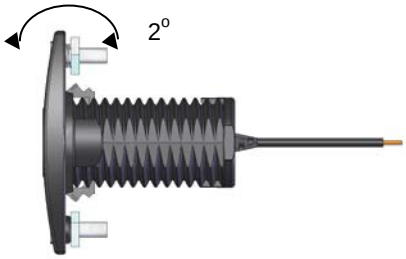
Screw mounting

For the washer mounting, sensor may be swiveled for alignment within the washer/nut assembly. Once aligned, the nuts may be tightened to hold the sensor in the appropriate position.



Clip mounting

For the clip mounting, using a screw driver, the screw with the spring can be tightened or loosened in order to change the tilt angle of the sensor.



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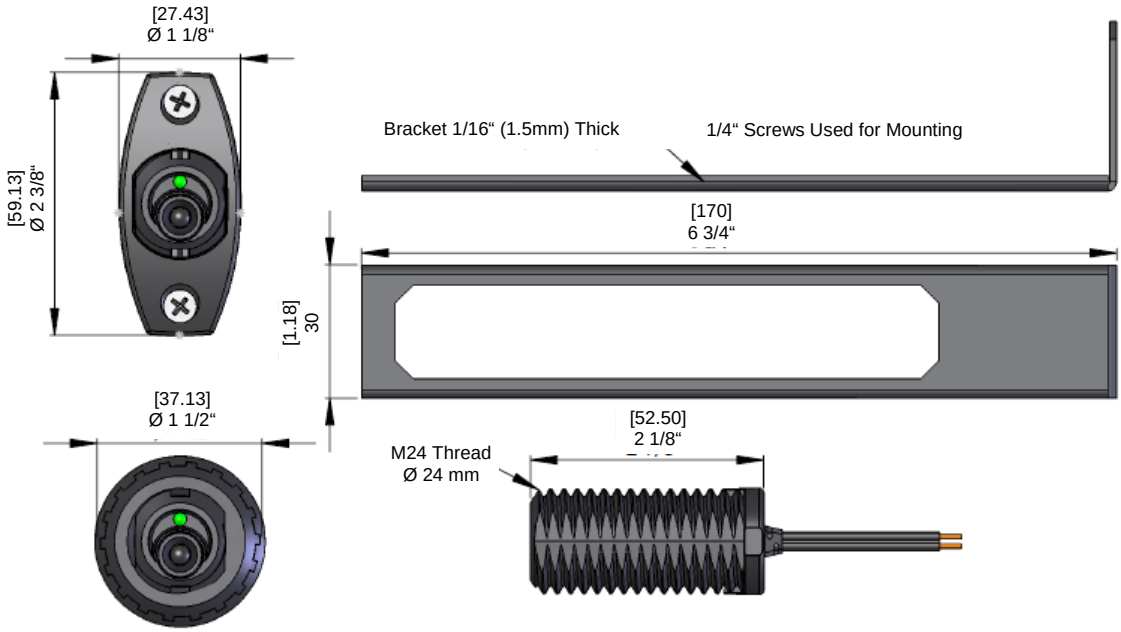
Dimensions



Contact

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